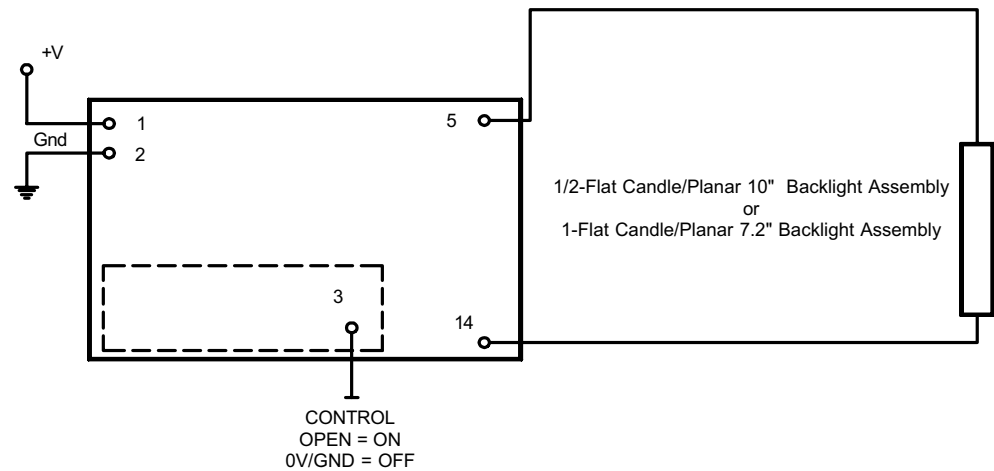


R212266

TYPICAL CONNECTION UTILIZING EXTERNAL PWM SIGNAL



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R212266

**Specifications and
Applications Information**

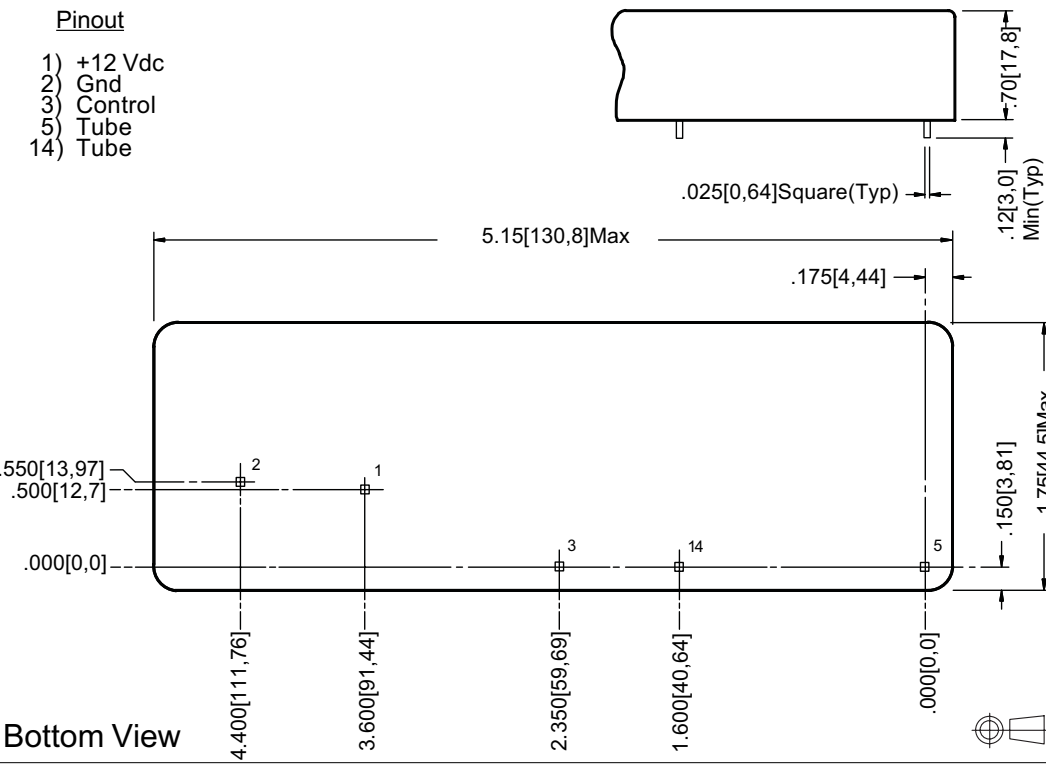
8/20/99

Preliminary

**Single Tube
DC to AC Inverter**

The ERG R212266 dc to ac inverter is specifically designed to power 1/2 of the Flat Candle/Planar 10" 2 tube LCD backlight module or Flat Candle/Planar 7.2" 1 tube LCD backlight module. It provides for flicker-free dimming from a digital control input.

The R212266's high power density, disable control, and encapsulated package make it the ideal power source for applications where high efficiency and reliability in lighting multiple tube backlights are critical.



R212266

Absolute Maximum Ratings

Rating	Symbol	Value	Units
Input Voltage Range	V_{in}	-0.3 to +13.5	Vdc
Operating Temperature	T_o	0 to +70	°C
Storage Temperature	T_{stg}	-40 to +85	°C

Recommended Operating Conditions

Rating	Symbol	Value	Units
Input Voltage	V_{in}	+6.0 to 13.2	Vdc

Electrical Characteristics

Unless otherwise noted V_{in} = 12.00 Volts dc and T_a = 25 °C

Characteristic	Symbol	Min	Typ	Max	Units
Input Current	I_{in}	-	1.9	2.1	Adc
Operating Frequency	F_o	21	26	31	KHz
Minimum Output Voltage	V_{out} (min)	2000	-	-	V_{rms}
Efficiency	η	-	85	-	%
Output Current	I_{out}	-	20	-	marms
Output Voltage (when Powering 1 section Flat Candle/Planar 10" or 1 Flat Candle/Planar 7.2" backlight display)	V_{out}	-	975	-	V_{rms}

After tube has been allowed to warm-up for 5 minutes

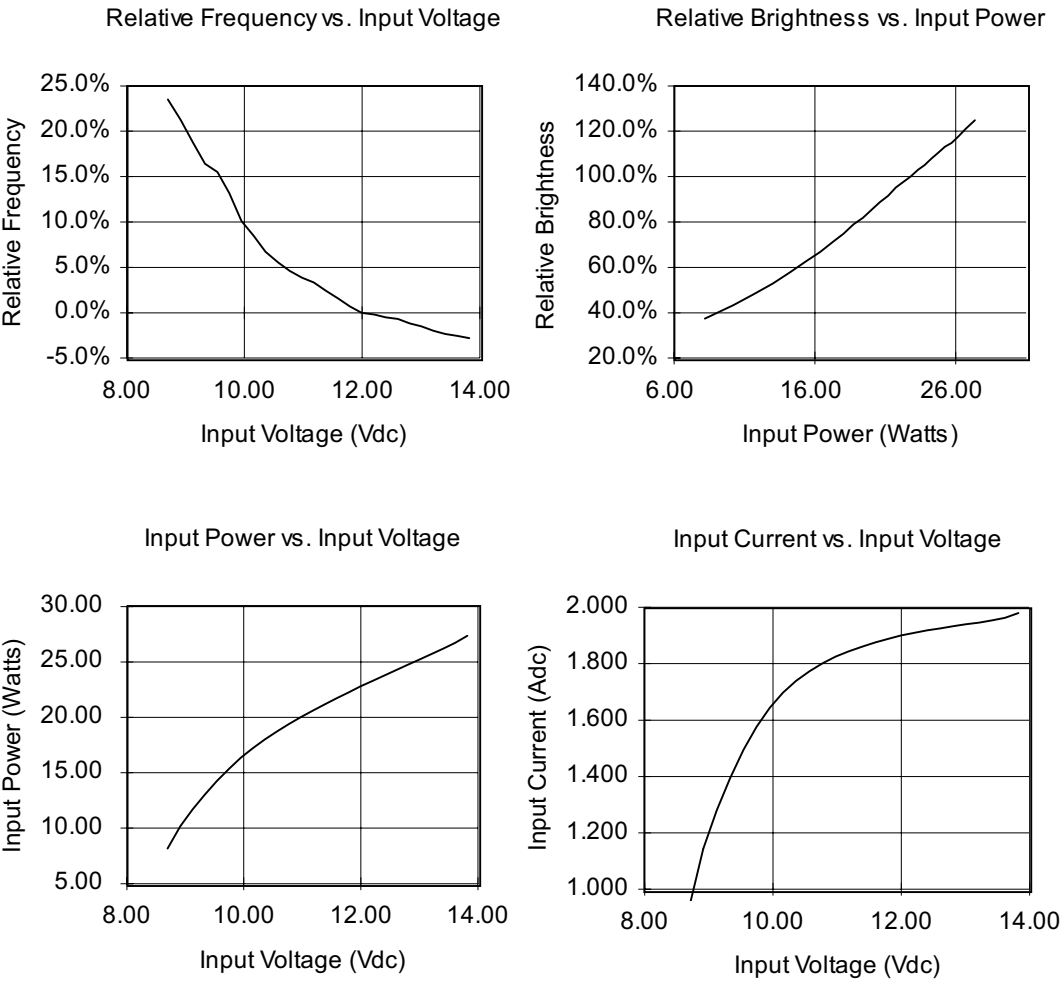
Specifications subject to change without notice



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Typical Performance Curves



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